



CITY OF CONOVER WASTEWATER TREATMENT ANNUAL PERFORMANCE REPORT

Purpose: This report is to notify our customers about our water pollution control activities during the fiscal year from July 1, 2018 through June 31, 2019. It covers the City of Conover NE Wastewater Treatment Plant and Collection System.

I. General Information

Facility System Name: City of Conover Wastewater Treatment and Collection System

Responsible Entity: City of Conover

Person in Charge/Contact: Evan Rubins - Northeast WWTP ORC
Phone: 828-465-2279
Cell: 828-217-5097

Keith Lynch - Collection System ORC
Phone: 828-464-4808

Collection System Cell:
828-217-5101

Applicable Permits: Northeast Wastewater Treatment Plant NC0024252
City of Conover Collection System Permit No. WQCS00088

Description of Collection System and Treatment Processes:

Collection System: The City of Conover's collection system consist of 126 miles of sewer line with five (5) pumping station. The collection system transports wastewater to the City of Conover's Northeast Wastewater Treatment Plant, and a portion, to the City of Newton's Regional Clark Creek Wastewater Treatment Plant.

Northeast Wastewater Treatment Plant: The City of Conover Northeast Wastewater Treatment Plant is located at 3680 Hillview Drive, Conover. It is a sequencing batch reactor, activated sludge facility with tertiary sand filters. The discharge goes into Lyle Creek. The Northeast Facility has a permitted treatment capacity of 1.5 million gallons per day with a present day average flow of 0.897 million gallons per day.



City of Conover Collection System Overflow Response Communicators
These devices help predict and prevent sewer overflows

Note to Consumers: If all of your drains seem to be clogged, call the City before calling a plumber. The City crew will come out, at no charge, and check the problem and unclog the blockage if it is in the City's collection line. If it is in your lines you will have to call a plumber, but let us check first.

Day time numbers:	828-464-4808
	828-465-2279
	828-217-5101
	828-217-5097
After Hours/Weekends	828-464-3112

Please help us keep our environment clean. Dispose of cooking grease as solid waste

II. Performance:

The City of Conover is very proud of the performance of the treatment plant and collection system over this year 2018-2019.

Collection System: The City of Conover had four (4) reportable Sanitary Sewer Overflows during 2018-2019.

On August 28, 2018 a manhole located behind 150 Lap Rd NE overflowed due to debris in the line resulting in 500 gallons of untreated wastewater to enter into an unnamed tributary stream of Lyle Creek.

On February 22, 2019 a manhole located at 406 3rd Ave NE overflowed due to inflow and infiltration from a rain event. This resulted in 625 gallons of untreated wastewater to enter an unnamed tributary stream of Lyle Creek.

On March 4, 2019 a manhole located at 1213 Coventry Place NW overflowed due to a grease blockage. This resulted in 100 gallons of untreated wastewater to enter into an unnamed tributary stream of Lyle Creek.

On May 7, 2019 a manhole located behind 900 1st Ave N overflowed due to debris in the line and resulted in 1800 gallons of untreated wastewater to enter in an unnamed tributary stream of Lyle Creek.

The City of Conover's staff would like to take this opportunity to thank the concerned citizens who notified us of sewer problems this past year. Your help greatly improves our ability to protect the environment.

The City of Conover Northeast Wastewater Treatment Plant did not exceed any limits during the reporting period of 2018-2019.

NEWWTP NC0024252	2018-2019 Discharge 001 Effluent Pollutants						2018-2019 Influent Pollutants		2018-2019 % Removal	
Date	Flow (mgd)	BOD	NH3	TSS	Fecal Coliform	Toxicity	BOD	TSS	BOD	TSS
7/1/2018	0.609	1.8	0.74	23	5.55		309.4	220.5	99%	99%
8/1/2018	0.765	1.6	0.72	1.3	8.17		300.2	128.8	99%	99%
9/1/2018	0.817	3.9	0.49	4.2	30.22	Pass	303.3	178.8	99%	98%
10/1/2018	0.863	0.2	0.10	2.0	5.04		297.3	188.7	100%	99%
11/1/2018	0.963	1.0	0.34	1.8	3.62		245.2	142.8	100%	99%
12/1/2018	1.206	1.0	0.44	2.3	9.81	Pass	258.5	136.3	100%	98%
1/1/2019	0.954	0.6	0.31	0.6	2.31		262.7	133.8	100%	99%
2/1/2019	1.115	0.0	0.17	0.0	1.00		232.6	127.0	100%	100%
3/1/2019	0.846	0.7	0.0	0.0	1.00	Pass	264.1	135.9	99%	100%
4/1/2019	0.896	0.0	0.08	0.0	1.00		269.2	146.2	100%	100%
5/1/2019	0.678	0.2	0.52	0.7	1.00		302.6	150.6	100%	99%
6/1/2019	1.050	1.2	0.93	3.7	2.31	Pass	307.8	187.7	99%	99%
Average	0.897	1.0	0.40	1.6	5.92		279.4	156.4	99.6%	99.1%
NPDES LIMIT	1.500	16/8	4.0/2.0	30	200 col/100 ml	Pass/Fail			85%	85%

Any questions concerning this report please call Evan Rubins at 828-465-2279 or Keith Lynch at 828-464-4808.

